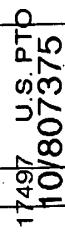


 23026 U.S. PTO 032304	<p style="text-align: center;">UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)</p> <p style="text-align: center;"><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i></p>	<p style="text-align: center;">Docket No. 04-002</p> <p style="text-align: center;">Total Pages in this Submission 188</p>
<p>TO THE COMMISSIONER FOR PATENTS</p> <p>Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450</p> <p>Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:</p> <p>SPIRAL COMPOSITE ADSORBENT MATERIAL</p> <p>and invented by:</p> <p>David T. Doughty and John W. Cobes III</p>		
 17497 U.S.PTO 10/807375 032304		

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. Filing fee as calculated and transmitted as described below
2. Specification having 10 pages and including the following:
 - a. Descriptive Title of the Invention
 - b. Cross References to Related Applications (*if applicable*)
 - c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. Background of the Invention
 - f. Brief Summary of the Invention
 - g. Brief Description of the Drawings (*if filed*)
 - h. Detailed Description
 - i. Claim(s) as Classified Below
 - j. Abstract of the Disclosure

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188

Application Elements (Continued)

3. Drawing(s) (*when necessary as prescribed by 35 USC 113*)
 - a. Formal Number of Sheets _____
 - b. Informal Number of Sheets 4
4. Oath or Declaration
 - a. Newly executed (*original or copy*) Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. With Power of Attorney Without Power of Attorney
 - d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Application Data Sheet (See 37 CFR 1.76)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. Assignment Papers (*cover sheet & document(s)*)
10. 37 CFR 3.73(B) Statement (*when there is an assignee*)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Certificate of Mailing
 First Class Express Mail (*Specify Label No.*): EV 330546288 US

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Accompanying Application Parts (Continued)

17. Additional Enclosures (please identify below):

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	10	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$86.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				
					\$0.00
					BASIC FEE \$770.00
OTHER FEE (specify purpose) _____					\$0.00
					TOTAL FILING FEE \$770.00

- A check in the amount of \$770.00 to cover the filing fee is enclosed.
- The Director is hereby authorized to charge and credit Deposit Account No. 03-2026 as described below.
- Charge the amount of _____ as filing fee.
 - Credit any overpayment.
 - Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Christine W. Trebilcock
 Reg. No. 41,373
 Cohen & Grigsby, P.C.
 11 Stanwix Street, 15th Floor
 Pittsburgh, PA 15222
 412-297-4900

Dated: March 23, 2004

CC:

CERTIFICATE OF MAILING BY US EXPRESS MAIL

I hereby certify that the documents listed below are being deposited on the date indicated below, with the U.S. Post Office as Express Mail Post Office to Addressee Service in an envelope addressed to:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1 Patent Application transmittal in duplicate (4 pages)
1 Form PTO 1595 in duplicate (1 page)
1 Assignment of Rights (2 pages)
1 Declaration/Power of Attorney (3 pages)
1 Patent Application for SPIRAL COMPOSITE ADSORBENT
MATERIAL (12 pages)
4 sheets drawings
1 PTO Form 1449 with cited references (155 pages)
1 Return Receipt Card

EXPRESS MAIL LABEL NO. EL 330546288 US

Karin J. Hoover March 23, 2004
Karin J. Hoover Date of Deposit